



Image may be representation.  
See specifications for product details.



## ADUCM320BBCZ-RL

Manufacturer Part Number	<b>ADUCM320BBCZ-RL</b>
Manufacturer	<b>Analog Devices, Inc.</b>
Allelco Part Number	32D-ADUCM320BBCZ-RL
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT 256KB FLSH 96CSPBGA
Package	96-TFBGA, CSPBGA
Data sheet	<b>ADuCM320.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

ADUCM320BBCZ-RL - Analog Devices Inc..New Original in Stock. Download Linear Technology ADUCM320BBCZ-RL datasheet/specifications on AllelcoElec.com.  
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### Specifications

ADUCM320BBCZ-RL Tech Specifications  
ADUCM320BBCZ-RL - Analog Devices Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Analog Devices, Inc.	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2.9V ~ 3.6V	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package	96-CSPBGA (6x6)	Number of I/O	40
Speed	80MHz	Mounting Type	Surface Mount
Series	ADuCM	EEPROM Size	-
RAM Size	32K x 8	Data Converters	A/D 16x14b; D/A 12x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	256KB (128K x 8 x 2)	Core Processor	ARM® Cortex®-M3
Peripherals	DMA, POR, PWM, WDT	Connectivity	I²C, SPI, UART/USART
Package / Case	96-TFBGA, CSPBGA	Base Product Number	ADUCM320
Package	Tape & Reel (TR)		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc. ADUCM320BBCZ-RL

Product Attribute				
Part Number	ADUCM320BBCZ-RL	<a href="#">ADUCM3029BCPZ-R7</a>	<a href="#">ADUC848BSZ62-3</a>	<a href="#">ADUCM331WDPCZ</a>
Manufacturer	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.
Oscillator Type	Internal	Internal	Internal	Internal
Series	ADuCM	ADuCM	MicroConverter® ADuC8xx	Automotive
Connectivity	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART	LINbus, SPI
Voltage - Supply (Vcc/Vdd)	2.9V ~ 3.6V	1.74V ~ 3.6V	2.7V ~ 3.6V	3.6V ~ 18V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Peripherals	DMA, POR, PWM, WDT	DMA, POR, PWM, WDT	POR, PSM, PWM, Temp Sensor, WDT	POR, WDT
EEPROM Size	-	-	4K x 8	4K x 8
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 115°C (TA)
Core Processor	ARM® Cortex®-M3	ARM® Cortex®-M3	8052	ARM® Cortex®-M3
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Base Product Number	ADUCM320	ADUCM3029	ADUC848	ADUCM331
Package / Case	96-TFBGA, CSPBGA	64-WFQFN Exposed Pad, CSP	52-QFP	32-VFQFN Exposed Pad, CSP
Core Size	32-Bit Single-Core	32-Bit Single-Core	8-Bit	32-Bit Single-Core
Data Converters	A/D 16x14b; D/A 12x12b	A/D 8x12b	A/D 10x16b; D/A 1x12b, 2x16b	A/D 2x20b
Program Memory Size	256KB (128K x 8 x 2)	256KB (256K x 8)	62KB (62K x 8)	128KB (128K x 8)
Speed	80MHz	26MHz	12.58MHz	16.384Mhz
RAM Size	32K x 8	96K x 8	2.25K x 8	6K x 8
Number of I/O	40	44	34	6
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tray	Tray
Supplier Device Package	96-CSPBGA (6x6)	64-LFCSP-WQ (9x9)	52-MQFP (10x10)	32-LFCSP-VQ (6x6)

### ADUCM320BBCZ-RL Datasheet PDF

Download ADUCM320BBCZ-RL pdf datasheets and Analog Devices Inc. documentation for ADUCM320BBCZ-RL - Analog Devices Inc..

#### Datasheets

[ADuCM320.pdf](#)

#### PCN Assembly/Origin

[Revision 30/Mar/2016.pdf](#)



ADUCM320 Datasheet Update 04/Feb/2015.pdf



ADUCM320BBCZ,-RL 03/Jun/2015.pdf

## Customers Also Interested in

### Recommended Products

 <b>ADUCM3029BCPZ-R7</b> Analog Devices Inc. IC MCU 32BIT 256KB FLASH 64LFCSP	 <b>ADUC848BSZ62-3</b> Analog Devices Inc. IC MCU 8BIT 62KB FLASH 52MQFP	 <b>ADUCM331WDCPZ</b> Analog Devices Inc. IC MCU 32BIT 128KB FLASH 32LFCSP	 <b>ADUCM320BBCZI</b> Analog Devices Inc. IC MCU 32BIT 256KB FLSH 96CSPBGA	 <b>ADUCM331WACPZ</b> Analog Devices Inc. IC MCU 32BIT 128KB FLASH 32LFCSP	 <b>ADUC848BS62-3</b> Analog Devices Inc. IC MCU 8BIT 62KB FLASH 52MQFP
 <b>ADUCM331WDCPZ-RL</b> Analog Devices Inc. IC MCU 32BIT 128KB FLASH 32LFCSP	 <b>ADUCM320BBCZI-RL</b> Analog Devices Inc. IC MCU 32BIT 256KB FLSH 96CSPBGA	 <b>ADUCM322BBCZ</b> Analog Devices Inc. IC MCU 32BIT 256KB FLSH 96CSPBGA	 <b>ADUCM322BBCZ-RL</b> Analog Devices Inc. IC MCU 32BIT 256KB FLSH 96CSPBGA	 <b>ADUCM3027BCPZ</b> Analog Devices Inc. IC MCU 32BIT 128KB FLASH 64LFCSP	 <b>ADUCM320BBCZ</b> Analog Devices Inc. IC MCU 32BIT 256KB FLSH 96CSPBGA
 <b>ADUCM330WDCPZ-RL</b> Analog Devices Inc. IC MCU 32BIT 96KB FLASH 32LFCSP	 <b>ADUCM310BBCZ</b> Analog Devices Inc. IC MCU 32B 256KB FLASH 112CSPBGA	 <b>ADUCM3029BCPZ</b> Analog Devices Inc. IC MCU 32BIT 256KB FLASH 64LFCSP	 <b>ADUC848BSZ62-5</b> Analog Devices Inc. IC MCU 8BIT 62KB FLASH 52MQFP	 <b>ADUC848BSZ8-5</b> Analog Devices Inc. IC MCU 8BIT 8KB FLASH 52MQFP	 <b>ADUCM330WDCPZ</b> Analog Devices Inc. IC MCU 32BIT 96KB FLASH 32LFCSP

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

- > Use your express account for shipment if you have one.
  - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

### Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### Payment Support

The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



### Your Faithful Supply Chain Partner -

 Efficient Supply Management	 Cost-Saving Procurement	 Fast Sourcing & Delivery
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Contact us if you have any questions.

 Phone +00852 9146 4856	 Email info@allelco.com
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### Certifications & Memberships



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### Contact us

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